

SECTION 1 Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier** Coating Powder for industrial use only

Product Name: Polyester powder coating

Product Part Number:

Details of the supplier of the safety data sheet.

Name of the supplier: Thomas Howse Ltd

Address of supplier: Cakemore Road, Rowley Regis, West Midlands, B65 0RD

Telephone: 01215591451

Email: sales@howsepaints.co.uk

Emergency Telephone: 07736610239

SECTION 2 Hazards identification**2.1. Classification of the substance or mixture****Classification (EC 1272/2008)**

Physical and Chemical Hazards Not classified.

Human health Not classified.

Environment Not classified.

Classification (67/548/EEC) Not classified.

The Full Text for Hazard Statements are Displayed in Section 16.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008

No pictogram required.

2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

SECTION 3: Composition/information on ingredients**3.1. Substances**

REACH Registration number Monomers Bisphenol A CAS 80-05-7 EC 201-245-8 01-2119457856-23-xxxx Epichlorhydrin

CAS 106-89-8 EC 203-439-8 01-2119457436-33-xxxx

CAS-No. 25036-25-3

1 / 6

7727-43-7 Barium Sulfate

ACGIH TLV 10 mg/m3 as Dust

OSHA PEL 10 mg/m3 Total Dust

OSHA PEL 5 mg/m3 Respirable Fraction

SECTION 4: First aid measures

4.1 Description of first aid measures**General information**

In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

Inhalation

Move the exposed person to fresh air at once. Consult a physician for specific advice.

Ingestion

Immediately rinse mouth and provide fresh air. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach

vomit doesn't enter the lungs. Get medical attention.

Skin contact

Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water.

Promptly remove clothing if soaked through and wash as above. Contact physician if irritation persists.

Eye contact

Remove victim immediately from source of exposure. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

4.2. Most important symptoms and effects, both acute and delayed**Inhalation**

No specific symptoms noted.

Ingestion

No specific symptoms noted.

Skin contact

Powder may irritate the skin.

Eye contact

May cause temporary eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical.

If in

doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media**

Fire can be extinguished using: Water spray, fog or mist. Foam, carbon dioxide or dry powder.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture**Specific hazards**

In case of fire, toxic gases may be formed. Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters**Special Fire Fighting Procedures**

Cool containers exposed to flames with water until well after the fire is out. Avoid water in straight hose stream; will scatter and spread fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Warn everybody of potential hazards and evacuate if necessary. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking.

Ventilate. In case of inadequate ventilation, use respiratory protection. Avoid contact with skin and eyes.

6.2. Environmental precautions

Collect and dispose of spillage as indicated in section 13. Do not discharge into drains, water courses or onto the ground. Spillages or

uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container. Avoid dust formation.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards.

Collect and dispose of spillage as indicated in section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Avoid contact with skin and

eyes. Wear full protective clothing for prolonged exposure and/or high concentrations. Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. If ventilation is insufficient, suitable respiratory protection must be provided. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Do not store near heat sources or expose to high temperatures. Protect from freezing and direct sunlight.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****Ingredient Comments**

No exposure limits noted for ingredient(s).

8.2. Exposure controls

Protective equipment

Engineering measures

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

Hand protection

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

Other Protection

Wear rubber footwear.

Hygiene measures

When using do not eat, drink or smoke. Wash promptly if skin becomes wet or contaminated. Wash hands at the end of each work shift

and before eating, smoking and using the toilet.

Skin protection

Wear apron or protective clothing in case of contact.

Ingredient Comments

Protective equipment

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Appearance.	Solid powder
Colour.	As specified
Odour.	Slight odour.
Solubility.	Insoluble in water.
Initial boiling point and boiling range (°C)	Not applicable.
Melting point (°C)	90 - 98
Bulk Density	1.16~1.18 g/cm3 (20 C)
pH-Value, Conc. Solution	Not applicable.
pH-Value, Diluted Solution	Not applicable.
Flash point (°C)	> 200

9.2. Other information

Not available. Not determined.

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Not known.

10.4. Conditions to avoid

Take precautionary measures against static discharges.

10.5. Incompatible materials**Materials To Avoid**

Oxidising materials. Strong acids. Strong bases. Amines.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Toxic Dose 1 - LD 50 Acute Oral Toxicity >30000 mg/kg body weight

Inhalation

No specific health warnings noted.

Ingestion

May cause discomfort if swallowed.

Skin contact

Powder may irritate skin.

Eye contact

May cause temporary eye irritation.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity**

There are no data on the ecotoxicity of this product.

12.1. Toxicity

Acute Toxicity - Fish

Not available.

Acute Toxicity - Aquatic Invertebrates

Not available.

Acute Toxicity - Aquatic Plants

Not available.

Acute Toxicity - Microorganisms

Not available.

12.2. Persistence and degradability

Degradability

The product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

No data available.

12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Incinerate with provision for removal of effluent gases by scrubber.

SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

Guidance Notes

Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (CHIP 4) ECHA Guidance on the Compilation of Safety Data Sheets, September 2011.

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission

Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation (EU) 453/2010.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION**General information**

This datasheet is not intended to be a replacement for a full risk assessment, these should always be carried out by competent persons.

Under REACH Material Safety Datasheets (MSDS) are referred to as Safety Datasheets (SDS).

Hazard Statements In Full

None

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for his own particular use.



Thomas Howse Limited

Independent Industrial Paint & Powder Manufacturers

SAFETY DATA SHEET HSC1

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